

Vibrator Mertz / Hemi

Exploration & Geosurvey



The Hemi 48 vibrator mounted on the M12 off-road chassis is an ideal seismic source unit if high quality results are needed from geophysical exploration.

These DMT vibrators are equipped with SSC Force 3 GPS Synchronized Source Control Systems, designed for high-productivity acquisition (HPVS), for autonomous acquisition methods and wired and wireless recording operations.

Technical specifications of the Mertz / Hemi vibrator

Category	Specification
Chassis	M12 605
Type	Buggy
Drive	4x4, hydraulic
Total weight	20,830 kg
Load on axles	Front: 9,920 kg Rear: 10,910 kg
Weight on base plate	19,500 kg (43,000 lb)
Standard tyres	67-34-25, 10/20 ply
Length overall	920 cm
Width	250 to 300 cm
Height	297 cm
Axle-base	477 cm
Maximum speed	20 km/h
Power supply	12 V
Vibrator type	Hemi 48
Peak force (theoretical)	200,615 N (45,100 lbf)
Damping system	Airbag
Weight	1,725 kg (3,800 lb)
Area	26,300 cm ² (4,077 in ²)
Useable stroke	7.6 cm (2.99 in)
Piston area	102 cm ² (15.81 in ²)
Minimum frequency	5 Hz
Mass weight	2,630 kg (5,800 lb)
Ground clearance	48 cm (18.9 in)

Subject to change

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